

[3 May, 2007]

RAJYA SABHA

**Demand of Power**

†2985. SHRI LALIT KISHORE CHATURVEDI: Will the Minister of POWER be pleased to state:

(a) the details of quantum of demand of power at all India level during next five years, year-wise;

(b) the details of estimated supply of power to be made from thermal, Hydel, atomic and other sources, year-wise;

(c) whether there is huge gap between demand and supply of power and this gap will widen during the next five years; and

(d) if so, the details of Government's plan to bridge this gap and the places where power generation stations are proposed to be established?

THE MINISTER OF POWER (SHRI SUSHIL KUMAR SHINDE): (a) to (d) According to the estimates of 17th Electric Power Survey, the year-wise details of demand of power at all India level during next five years are as follows:-

| Year    | Electrical Energy Requirement at Power Station Bus Bars (Utility) MKwh | Annual Peak Electric Load at Power Station Bus Bar (Utility) MW |
|---------|--|---|
| 2007-08 | 7,44,515   | 1,13,059  |
| 2008-09 | 7,94,561   | 1,21,891  |
| 2009-10 | 8,48,390   | «1,4J3  |
| 2010-11 | 9,06,316   | 1,41,678  |
| 2011-12 | 9,68,659   | 1,52,746  |

During 2006-07, peaking shortages to the tune of 13.8% and energy shortages to the tune of 9.6% have been reported. National Electricity Policy envisages elimination of shortages and creation of adequate spinning reserves. To achieve this, a total capacity addition of about 1,00,000 MW is required during Tenth and Eleventh Plan periods. The demand of power at the end of Eleventh Plan is expected to be about 1,52,000 MW.

†Original notice of the question was received in Hindi.

Capacity addition of 78,577 MW has been proposed during Eleventh Plan. The likely year-wise capacity addition based on present status of the projects as available in Central Electricity Authority is as follows:

| MW      |       |         |         |       |
|---------|-------|---------|---------|-------|
| Year    | Hydro | Thermal | Nuclear | Total |
| 2007-08 | 3201  | 12704   | 880     | 16785 |
| 2008-09 | 1175  | 5077    | 1000    | 7252  |
| 2009-10 | 3425  | 10773   | 1000    | 15198 |
| 2010-11 | 2330  | 14140   | 500     | 16970 |
| 2011-12 | 6422  | 15950   | 0       | 22372 |
| Total   | 16553 | 58644   | 3380    | 78577 |

In addition Working Group on Power for Eleventh Plan has envisaged 13,500 MW through grid interactive renewable power.

With the above capacity addition, the demand of the country as a whole could be met by 2011-12. Besides capacity addition, a strong inter State and inter regional transmission system has also been planned to evacuate the planned generation capacity for transfer of power from surplus to deficit areas.

The detailed list of projects proposed to be set up during Eleventh Plan is given in the Statement.

#### Statement

*List of projects proposed for likely benefits during Eleventh Plan  
State-wise sector-wise*

| Sl. No. | Plant Name   | State | Agency | Sector | Category | Ultimate Capacity (MW) | Type | Benefits 11th Plan (2007-12) | Likely Year of Benefit |
|---------|--|-------|--------|--------|----------|------------------------|------|------------------------------|------------------------|
| 1       | 2  | 3     | 4      | 5      | 6        | 7                      | 8    | 9                            | 10                     |
|         | Northern Region  |       |        |        |          |                        |      |                              |                        |
|         | DELHI  |       |        |        |          |                        |      |                              |                        |
| 1       | BADARPUR-XU-1 & 2  | DELHI | NTPC   | C      |          | 980                    | COAL | 980                          | 2010-11                |
| 1       | SUB TOTAL (DELHI) central sector TPS for DELHI/ COMM JHAJJAR | HAR   | NTPC   | C      |          | 1500                   | COAL | 1500                         | 2010-12                |

[3 May, 2007]

## RAJYA SABHA

| 1                                  | 2               | 3   | 4       | 5 | 6    | 7    | 8     | 9    | 10      |
|------------------------------------|-----------------|-----|---------|---|------|------|-------|------|---------|
| SUB TOTAL (HARYANA) central sector |                 |     |         |   |      | 1500 |       |      |         |
| 1                                  | YAMUNA NAGAR    |     | HPGCL   | S | UC   | 600  | COAL  | 600  | 2007-08 |
| 2                                  | HISSAR TPS      |     | HPGCL   | S | uc   | 1200 | COAL  | 600  | 2009-10 |
| SUB TOTAL (HARYANA) state sector   |                 |     |         |   |      |      |       | 1800 |         |
| SUB TOTAL (HARYANA)                |                 |     |         |   |      |      |       | 3300 |         |
| HIMACHAL PRADESH                   |                 |     |         |   |      |      |       |      |         |
| 1                                  | PARBATHI        | HP  | NHPC    | C | uc   | 800  | HYDRO | 800  | 2009-10 |
| 2                                  | CHAMERA-III     | HP  | NHPC    | c | uc   | 231  | HYDRO | 231  | 2010-11 |
| 3                                  | PARBATHI-III    |     | NHPC    | c | uc   | 520  | HYDRO | 520  | 2010-11 |
| 4                                  | KOLDAM          | HP  | NTPC    | c | uc   | 800  | HYDRO | 800  | 2008-09 |
| 5                                  | RAMPUR          | HP  | SJVNL   | c | uc   | 412  | HYDRO | 412  | 2011-12 |
| SUB TOTAL (HP)-Central sector      |                 |     |         |   |      |      |       | 2763 |         |
| 6                                  | UHL-III         | HP  | HPJWN   | s | uc   | 100  | HYDRO | 100  | 2009-10 |
| 7                                  | SAWARAKUDDU     | HP  | PVC     | S | COMM | 110  | HYDRO | 110  | 2010-11 |
| SUB TOTAL (HP)-Central sector      |                 |     |         |   |      |      |       | 210  |         |
| 8                                  | BUDHIL          | HP  | LANCO   | p | uc   | 70   | HYDRO | 70   | 2009-10 |
|                                    |                 |     | IPP     |   |      |      |       |      |         |
| 9                                  | ALLAIN DUHANGAN |     | RSWML   | p | uc   | 192  | HYDRO | 192  | 2008-09 |
| 10                                 | MALANA II       |     | EVERS   |   | uc   | 100  | HYDRO | 100  | 2009-10 |
|                                    |                 |     | T PC    |   |      |      |       |      |         |
| 11                                 | KARCHAM         |     | JPKHCL  | p | uc   | 1000 | HYDRO | 1000 | 2011-12 |
| 12                                 | LAMBADUG        |     | IPP     | p | COMM | 25   | HYDRO | 25   | 2010-11 |
| 13                                 | SORANG          | HP  | SORAND  | P | COMM | 100  | HYDRO | 100  | 2011-12 |
|                                    |                 |     | PC      |   |      |      |       |      |         |
| 14                                 | TIDONG-I        | HP  | PCP/IPP | p | COMM | 100  | HYDRO | 100  | 2010-11 |
| 15                                 | TANGU ROMAI     |     | PCP/IPP | p | COMM | 50   | HYDRO | 50   | 2010-11 |
| SUB TOTAL (HP) private sector      |                 |     |         |   |      |      |       | 1637 |         |
| SUB TOTAL (Himachal Pradesh)       |                 |     |         |   |      |      |       | 4610 |         |
| JAMMU & KASHMIR                    |                 |     |         |   |      |      |       |      |         |
| 1                                  | SEWA-Illi       | J4K | NHPC    | c | UC   | 120  | HYDRO | 120  | 2008-09 |

RAJYA SABHA

[3 May, 2007]

| 1  | 2                                    | 3   | 4      | 5 | 6    | 7    | 8       | 9    | 10      |
|----|--------------------------------------|-----|--------|---|------|------|---------|------|---------|
| 2  | URI-II                               | J&K | NHPC   | c | UC   | 240  | HYDRO   | 240  | 2009-10 |
|    | SUB TOTAL (J&K) Central sector       |     |        |   |      |      |         | 360  |         |
| 3  | BAGLIHAR-I                           |     | JKPDC  | s | uc   | 450  | HYDRO   | 450  | 2007-08 |
|    | SUB TOTAL (J&K) state sector         |     |        |   |      |      |         | 450  |         |
|    | SUB TOTAL (J&K)                      |     |        |   |      |      |         | 810  |         |
|    | PUNJAB                               |     |        |   |      |      |         |      |         |
| 1  | GH TPP H                             | PUN | PSEB   | s | uc   | 500  | COAL    | 500  | 2007-08 |
| 2  | TALWANDISA.BO                        |     | PSEB   | s | COMM | 1500 | COAL    | 1500 | 2011-12 |
|    | SUB TOTAL (PUN) state sector         |     |        |   |      |      |         | 1000 |         |
| 3  | UBDC-III                             | PUN | MALAN  | p | COMM | 75   | HYDRO   | 75   | 2009-10 |
|    | GOINDWAL SAHIB                       |     |        |   |      |      |         |      |         |
| 4  | GOINDWAL SAHIB                       | PUN | GVK    | p | COMM | 600  | COAL    | 600  | 2011-12 |
|    | SUB TOTAL (PUN)-private sector       |     |        |   |      |      |         | 675  |         |
|    | SUB TOTAL (PUNJAB)                   |     |        |   |      |      |         | 1675 |         |
|    | RAJASTHAN                            |     |        |   |      |      |         |      |         |
| 1  | BARSINGAR LIG                        | RAJ | NLC    | c | UC   | 250  | LIGNITE | 250  | 2008-09 |
| 2  | BARSINGAR EXT                        | RAJ | NLC    | c | COMM | 250  | LIGNITE | 250  | 2010-11 |
| 3  | RAPPU 546                            | RAJ | NPC    | c | UC   | 440  | NUCLEAR | 440  | 2007-08 |
|    | SUB TOTAL (RAJASTHAN)-Central sector |     |        |   |      |      |         | 940  |         |
| 4  | CHABRA TPS                           | RAJ | RRVUN  | s | UC   | 500  | COAL    | 500  | 2008-09 |
| 5  | KOTAU7                               | RAJ | RRVUNL | s | UC   | 195  | COAL    | 195  | 2008-09 |
| 6  | SURAT GARH EXT                       |     | RRVUNL | s | UC   | 250  | COAL    | 250  | 2008-09 |
| 7  | KALISINDH TPS                        | RAJ | RRVUNL | s | COMM | 1000 | COAL    | 500  | 2011-12 |
| 8  | DHOLPUR GT-2                         | RAJ | RRVUNL | s | UC   | 110  | GAS/LNG | 110  | 2007-08 |
| 9  | DHOLPUR-ST                           | RAJ | RRVUNL | s | UC   | 330  | GAS/LNG | 110  | 2007-08 |
| 10 | GIRAL U-2                            | RAJ | RRVUNL | s | UC   | 125  | LIGNITE | 125  | 2008-09 |
|    | SUB TOTAL (RAJASTHAN) State sector   |     |        |   |      |      |         | 1790 |         |
|    | SUB TOTAL (RAJASTHAN)                |     |        |   |      |      |         | 2730 |         |
|    | UTTAR PRADESH                        |     |        |   |      |      |         |      |         |
| 1  | DADRI EXT (U-5)                      | UP  | NTPC.  | c | UC   | 490  | COAL    | 490  | 2009-10 |

[3 May, 2007]

## RAJYA SABHA

| 12                                     | 3    | 4     | 5 | 6    | 7    | 8     | 9     | 10      |
|--|------|-------|---|------|------|-------|-------|---------|
| 2 DADRI EXT (U-6)                      | UP   | NTPC  | C | UC   | 490  | COAL  | 490   | 2009-10 |
| SUB TOTAL (UP)-central sector          |      |       |   |      |      |       | 980   |         |
| 3 PARICHHAEXT                          | UP   |       | S | uc   | 600  | COAL  | 500   | 2009-10 |
| 4 HARDUAGANJ                           | UP   |       | s | uc   | 500  | COAL  | 500   | 2009-10 |
| 5 ANPARA-D                             | UP   |       | s | COMM | 1000 | COAL  | 1000  | 2011-12 |
| 6 OBRA REP                             | UP   |       | s | COMM | 1000 | COAL  | 500   | 2011-12 |
| SUB TOTAL (UP) state sector            |      |       |   |      |      |       | 2500  |         |
| 7 ANPARA-C                             | UP   | LANCO | p | COMM | 1000 | COAL  | 1000  | 2010-12 |
| 8 BARA                                 | UP   | IPP   | p | COMM | 1000 | COAL  | 500   | 2011-12 |
| SUB TOTAL (UP)- private sector         |      |       |   |      |      |       | 1500  |         |
| SUB TOTAL (Uttar Pradesh)              |      |       |   |      |      |       | 4980  |         |
| UTTARAKHAND                            |      |       |   |      |      |       |       |         |
| 1 VYASI                                | UKND | NHPC  | c | COMM | 120  | HYDRO | 120   | 2011-12 |
| 2 LOHARI NAGPALA                       | UKND | NTPC  | c | UC   | 600  | HYDRO | 600   | 2011-12 |
| 3 TAPOVAN<br>NTPC VISHNUGARH           | UKND |       | c | UC   | 520  | HYDRO | 520   | 2011-12 |
| 4 KOTESHWAR                            | UKND | THDC  | c | UC   | 400  | HYDRO | 400   | 2009-10 |
| 5 TEHRI PSS                            | UKND | THDC  | c | COMM | 1000 | HYDRO | 1000  | 2010-12 |
| SUB-TOTAL (UTTARAKHAND)-Central sector |      |       |   |      |      |       | 2640  |         |
| 6 MANERI BHALI                         | UKND | UJVNL | s | UC   | 304  | HYDRO | 304   | 2007-08 |
| SUB TOTAL (UKND)-state sector          |      |       |   |      |      |       | 304   |         |
| 7 SRINAGAR                             | UKND | GVK   | p | UC   | 330  | HYDRO | 330   | 2011-12 |
| SUB TOTAL (UKND)-private sector        |      |       |   |      |      |       | 330   |         |
| SUBTOTAL (UTTARAKHAND)                 |      |       |   |      |      |       | 3274  |         |
| SUB TOTAL (CENTRAL SECTOR)             |      |       |   |      |      |       | 10163 |         |
| SUB TOTAL (STATE SECTOR)               |      |       |   |      |      |       | 8054  |         |
| SUB TOTAL (PRIVATE SECTOR)             |      |       |   |      |      |       | 4142  |         |
| TOTAL (NORTHERN REGION)                |      |       |   |      |      |       | 22359 |         |
| WESTERN REGION                         |      |       |   |      |      |       |       |         |
| CHHATTISGARH                           |      |       |   |      |      |       |       |         |
| 1 SIPAT-II U4 & 5                      | CHG  | NTPC  | c | UC   | 1000 | COAL  | 1000  | 2007-08 |

\*

RAJYA SABHA

[3 May, 2007]

| 12                            | 3   | 4                      | 6      | 7    | 8       | 9           | 10          |
|-------------------------------|-----|------------------------|--------|------|---------|-------------|-------------|
| 2 SIPAT I<br>CHG              |     | NTPC                   | C uc   | 1980 | COAL    | 1980        | 2007-<br>09 |
| 3 BHILAI JV<br>CHG            |     | NTPC                   | C uc   | 500  | COAL    | 500         | 2007-<br>08 |
| 4 KORBA III<br>CHG            |     | NTPC                   | C uc   | 500  | COAL    | 500         | 2009-<br>10 |
| SUB TOTAL-central<br>sector   |     |                        |        |      |         | 3960        |             |
| 5 KORBA EAST<br>CHG<br>EXTU2  |     | CSEB                   | S uc   | 500  | COAL    | 250         | 2007-<br>08 |
| 6 KORBA WEST EXT<br>CHG       |     | CSEB                   | S COMM | 600  | COAL    | 600         | 2009-<br>10 |
| SUB TOTAL-state sector        |     |                        |        |      |         | 850         |             |
| 7 RAIGARH TPP-I<br>CHG        |     | JIN                    | P uc   | 250  | COAL    | 250         | 2007-<br>08 |
| 8 RAIGARH Ph II<br>CHG        |     | JIN.                   | P UC   | 750  | COAL    | 750         | 5007-<br>08 |
| 9 PATHADI(LANCO)<br>CHG       |     | POWER<br>LANCO<br>-IPP | P UC   | 300  | COAL    | 300         | 2008-<br>09 |
| 10 PATHADI (LANCO)<br>CHG     |     | LANCO<br>-IPP          | P UC   | 300  | COAL    | 300         | 2003-<br>10 |
| SUB-TOTAL-private<br>sector   |     |                        |        |      |         | 1600        |             |
| SUB TOTAL<br>(Chhattisgarh)   |     |                        |        |      |         | 6430        |             |
| 1 UKAEXT                      | GUJ | GSECL                  | S COMM | 500  | COAL    | 500         | 2011-<br>12 |
| 2 SIKKAEXT                    | GUJ | GSECL                  | s UC   | 500  | COASTAL | 500         | 2010-<br>11 |
| 3 DHUVVAN                     | GUJ | GSECL                  | s UC   | 219  | GAS/LNG | 40          | 2007-<br>08 |
| 4 UTRAN                       | GUJ | GSECL                  | s COMM | 350  | GAS/LNG | 350         | 2006-<br>08 |
| 5 SURAT LIGNITE<br>CHG<br>EXT |     | GIPCL                  | s UC   | 250  | LIGNITE | 250         | 2008-<br>08 |
| 6 KUTCH LIGNITE<br>TPS        | GUJ | GSECL                  | s UC   | 75   | LIGNITE | 75          | 2007-<br>08 |
| SUB TOTAL-sSate sector        |     | TORRENT                | UC     | 376  | GAS/LNG | 1715<br>376 | 2007-<br>08 |
| 7 SUGENTORRENT                | GUJ | P                      |        |      |         |             |             |
| 8 SUGENTORRENT                | GUJ | TORREN                 | UC     | 752  | GAS/LNG | 752         | 2007-<br>08 |
| SUB TOTAL-private<br>sector   |     |                        |        |      |         | 1128        |             |
| SUB TOTAL<br>(GUJARAT)        |     |                        |        |      |         | 2843        |             |

[3 May, 2007]

RAJYA SABHA

| 1                         | 2                        | 3        | 4                  | 5 | 6    | 7    | 8       | 9    | 10  |
|---------------------------|--------------------------|----------|--------------------|---|------|------|---------|------|---|
| MAHARASHTRA               |                          |          |                    |   |      |      |         |      |   |
| 1                         | RATNAGIRI<br>(DHABOL) JV | MAH<br>I | NTPC               | C | UC   | 740  | GAS/LNG | 740  | SEP, 07                                     |
| 2                         | MAUDA                    | MAH      | NTPC               | C | COMM | 1000 | COAL    | 1000 | 2011-12                                     |
| SUB TOTAL-central sector  |                          |          |                    |   |      |      |         | 1740 |   |
| 3                         | GHATGHAR PSS             | MAHA     | GOMID              | S | UC   | 250  | HYDRO   | 250  | JUN &                                       |
| 4                         | PARLI EXT U-2            | MAH      | MAHA               | S | UC   | 250  | COAL    | 250  | AUG 07<br>2008-08                           |
| 5                         | PARAS EXT U-1 & 2 MAH    |          | GEN<br>MAHA<br>GEN | S | UC   | 500  | COAL    | 500  | U-1<br>MAY, 07<br>U-2<br>JUN, 09<br>2009-10 |
| 6                         | KHAPER KHEDA<br>EX       | MAH      | MAHA<br>GEN        | S | UC   | 500  | COAL    | 500  |   |
| 7                         | BHUSAWAL                 | MAH      | MAHA               | S | UC   | 1000 | COAL    | 1000 | 2010-11                                     |
| 8                         | KORADI REP<br>& OTHERS   | MAH      | GEN<br>MAHA<br>GEN | S | COMM | 585  | COAL    | 500  | 2010-11                                     |
| 9                         | KORADI EXT               | MAH      | MAHA               | S | COMM | 1000 | COAL    | 1000 | 2011-12                                     |
| 10                        | CHANDRAPUR               | MAH      | GEN<br>MAHA<br>GEN | S | COMM | 500  | COAL    | 500  | 2010-11                                     |
| SUB TOTAL-state sector    |                          |          |                    |   |      |      |         | 4500 |   |
| 11                        | TROMBAY TPS              | MAH      | TATA               | p | UC   | 250  | COAL    | 250  | 2008-09                                     |
| SUB TOTAL-private sector  |                          |          |                    |   |      |      |         | 250  |   |
| SUBTOTAL<br>(MAHARASHTRA) |                          |          |                    |   |      |      |         | 6490 |   |
| MADHYA PRADSH             |                          |          |                    |   |      |      |         |      |   |
| 1                         | OMKARESHWAR              | MP       | NHDC               | c | UC   | 520  | HYDRO   | 520  | 2007-08                                     |
| SUB TOTAL-central sector  |                          |          |                    |   |      |      |         | 520  |   |

RAJYA SABHA

[3 May, 2007]

| 1  | 2                      | 3  | 4           | ! | 6    | 7    | 8       | 9     | 10      |
|----|------------------------|----|-------------|---|------|------|---------|-------|---------|
| 2  | BIRSIGHPUR EXT.        | MP | MPGEN<br>CO | S | uc   | 500  | COAL    | 500   | 2007-08 |
| 3  | AMARKANTAK             | MP | MPGEN<br>CO | S | uc   | 210  | COAL    | 210   | 2007-08 |
| 4  | MALWA                  | MP | MPGEN<br>CO | s | COMM | 1000 | COAL    | 1000  | 2011-12 |
| 5  | SATPURAEXT             | MP | MPGEN<br>CO | s | COMM | 500  | COAL    | 500   | 2011-12 |
|    | SUB TOTAL-state sector |    |             |   |      |      |         | 2210  |         |
| 6  | MAHESHWAR              | MP | IPP         | p | UC   | 400  | HYDRO   | 400   | 2010-11 |
| 7  | ULTRAMEGA<br>SASAN     | MP | LANCO       | p | COMM | 3960 | COAL    | 660   | 2011-12 |
|    | SUB TOTAL-private      |    |             |   |      |      |         | 1060  |         |
|    | SUBTOTAL               |    |             |   |      |      |         | 3270  |         |
|    | (Madhya Pradesh)       |    |             |   |      |      |         |       |         |
|    | SUBTOTAL               |    |             |   |      |      |         | 6240  |         |
|    | (CENTRAL SECTOR)       |    |             |   |      |      |         | v     |         |
|    | SUBTOTAL               |    |             |   |      |      |         | 9275  |         |
|    | (STATE SECTOR)         |    |             |   |      |      |         |       |         |
|    | SUBTOTAL               |    |             |   |      |      |         | 4038  |         |
|    | (PRIVATE SECTOR)       |    |             |   |      |      |         |       |         |
|    | TOTAL                  |    |             |   |      |      |         | 19553 |         |
|    | (WESTERN REGION)       |    |             |   |      |      |         |       |         |
|    | SOUTHERN REGION        |    |             |   |      |      |         |       |         |
|    | ANDHRA PRADESH         |    |             |   |      |      |         |       |         |
| 1  | SIMHADRI-EXT           | AP | NTPC        | c | COMM | 1000 | COASTAL | 1000  | 2010-11 |
|    | SUB TOTAL-central      |    |             |   |      |      |         | 1000  |         |
| 2  | JURALA PRIYA           | AP | APGENCO     | s | UC   | 234  | HYDRO   | 39    | 2007-08 |
| 3  | JURALA                 | AP | APGENCO     | s | UC   | 234  | HYDRO   | 195   | 2007-08 |
|    | PRIYADARSHNI           |    |             |   |      |      |         |       |         |
| 4  | NAGARJUNA<br>SAGAR TR  | AP | APGENCO     | s | UC   | 50   | HYDRO   | 50    | 2009-10 |
| 5  | LOWER JURALA           | AP | APGENCO     | s | COMM | 240  | HYDRO   | 240   | 2011-12 |
| 6  | RAYALSEE MAU4          | AP | APGENCO     | s | UC   | 210  | COAL    | 210   | 2007-08 |
| «7 | KAKTIYA                | AP | APGENCO     | s | UC   | 500  | COAL    | 500   | 2009-10 |



[3 May, 2007]

## RAJYA SABHA

| 1  | 2                            | 3   | 4              | 5 | 6    | 7    | 8       | 9    | 10      |
|----|------------------------------|-----|----------------|---|------|------|---------|------|---------|
| 8  | VIJAYWADA<br>AP TPP          |     | APGENC<br>O    | S | UC   | 500  | COAL    | 500  | 2008-09 |
| 9  | KOTHAGUEDEM<br>AP ST-V       |     | APGENC<br>O    | S | UC   | 500  | COAL    | 500  | 2009-10 |
| 10 | KAKATIYA EXT                 |     | APGENC<br>O    | S | COMM | 500  | COAL    | 500  | 2011-12 |
| 11 | KRISHNAPATNAM<br>AP          | AP  | APGENC<br>O    | S | COMM | 1600 | COASTAL | 800  | 2011-12 |
|    | SUB TOTAL-state sector       |     |                |   |      |      |         | 3534 |         |
| 12 | KONASEEMA                    | AP  | OAKWEL<br>I    | P | UC   | 445  | GAS/LNG | 445  | 2007-08 |
| 13 | GAUTAMI                      | AP  | GAUTA<br>MIPOW | P | UC   | 464  | GAS/LNG | 464  | 2007-08 |
|    | SUB TOTAL-private<br>sector  |     |                |   |      |      |         | 909  |         |
|    | SUBTOTAL<br>(Andhra Pradesh) |     |                |   |      |      |         | 5443 |         |
|    | KARNATAKA                    |     |                |   |      |      |         |      |         |
| 1  | KAIGAU-3&4                   | KAR | NPC            | C | UC   | 440  | NUCLEAR | 440  | 2007-08 |
|    | SUB TOTAL-central<br>sector  |     |                |   |      |      |         | 440  |         |
| 2  | VARAHI EXTN.                 |     | KPCL           | S | UC   | 230  | HYDRO   | 230  | 2008-09 |
| 3  | BELLARY                      |     | KPCL           | S | UC   | 500  | COAL    | 500  | 2007-08 |
| 4  | BELLARY TPS U-2              |     | KPCL           | S | UC   | 500  | COAL    | 500  | 2010-11 |
| 5  | RAICHUR U8                   | KAR | KPCL           | S | UC   | 250  | COAL    | 250  | 2009-10 |
|    | SUB TOTAL-state sector       |     |                |   |      |      |         | 1480 |         |
| 6  | TORANGALLU                   |     | JINDAL         | P | UC   | 600  | COAL    | 600  | 2009-10 |
|    | SUB TOTAL-private<br>sector  |     |                | - |      |      |         | 600  |         |
|    | SUBTOTAL<br>(KARNATAKA)      |     |                |   |      |      |         | 2520 |         |
|    | KERALA                       |     |                |   |      |      |         |      |         |
| 1  | ATHIRAPALLI                  |     | KSEB           | S | UC   | 163  | HYDRO   | 163  | 2010-11 |
| 2  | KUTAYADIEXT.                 |     | KSEB           | S | uc   | 100  | HYDRO   | 100  | 2006-09 |
| 3  | PALLIVASAL                   |     | KSEB           | s | COMM | 60   | HYDRO   | 60   | 2010-11 |
| 4  | MANKULAM                     |     | KSEB           | s | COMM | 40   | HYDRO   | 40   | 2010-11 |
| 5  | THOTTIAR                     |     | KSEB           | s | COMM | 40   | HYDRO   | 40   | 2010-11 |
|    | SUB TOTAL-state sector       |     |                |   |      |      |         | 403  |         |
|    | SUB TOTAL (KERALA)           |     |                |   |      |      |         | 403  |         |

RAJYA SABHA

[3 May, 2007]

| 1         | 2                        | 3    | 4   | 5 | 6    | 7    | 8       | 9      | 10      |
|-----------|--------------------------|------|-----|---|------|------|---------|--------|---------|
| TAMILNADU |                          |      |     |   |      |      |         |        |         |
| 1         | TUTICORIN JV             | TN   | NLC | c | COMM | 1000 | COASTAL | 1000   | 2010-12 |
| 2         | NEYVEU-II LIG            | TN   | NLC | c | UC   | 500  | LIGNITE | 500    | 2008-10 |
| 3         | KUDANKULAMU1.2           | TN   | NPC | c | uc   | 2000 | NUCLEAR | 2000   | 2008-10 |
| 4         | PFBR (Kalapakkam)        | TN   | NPC | c | uc   | 500  | NUCLEAR | 500    | 2010-11 |
| 5         | ENNORE-JV                | TN   |     | c | COMM | 1000 | COASTAL | 1000   | 2010-11 |
|           | SUB TOTAL-central sector |      |     |   |      |      |         | 5000   |         |
| 1         | NORTH CHENNAI            | TN   |     | S | COMM | 500  | COAL    | 500    | 2010-11 |
| 2         | METTUREXT                | TNER |     | s | COMM | 500  | COAL    | 500    | 2010-11 |
| 3         | VALUTHUR EXT             | TNER |     | s | UC   | 92   | GAS/LNG | 92     | 2007-08 |
| 4         | BHAWANI BARRAGE          | TNER |     | s | UC   | 60   | HYDRO   | 60     | 2009-10 |
|           | SUB TOTAL-state          |      |     |   |      |      |         | 1152.2 |         |
|           | SUB TOTAL (Tamil Nadu)   |      |     |   |      |      |         | 6152   |         |
|           | SUBTOTAL                 |      |     |   |      |      |         | 6440   |         |
|           | (CENTRAL SECTOR)         |      |     |   |      |      |         |        |         |
|           | SUBTOTAL                 |      |     |   |      |      |         | 6569   |         |
|           | (STATE SECTOR)           |      |     |   |      |      |         |        |         |
|           | SUBTOTAL                 |      |     |   |      |      |         | 1509   |         |
|           | (PRIVATE SECTOR)         |      |     |   |      |      |         |        |         |
|           | TOTAL                    |      |     |   |      |      |         | 14518  |         |
|           | (SOUTHERN REGION)        |      |     |   |      |      |         |        |         |
|           | (EASTERN REGION)         |      |     |   |      |      |         |        |         |
| BIHAR     |                          |      |     |   |      |      |         |        |         |
| 1         | KAHALGAON II U6.7        | NTPC |     | c | UC   | 1000 | COAL    | 1000   | 2007-08 |
| 2         | BARH-I                   | NTPC |     | c | UC   | 1980 | COAL    | 1980   | 2009-11 |
| 3         | BARH-II                  | NTPC |     | 0 | COMM | 1320 | COAL    | 1320   | 2011-12 |
| 4         | NABINAGAR                | NTPC |     | c | COMM | 1000 | COAL    | 750    | 2010-12 |
|           | SUB TOTAL-central sector |      |     |   |      |      |         | 5050   |         |
|           | SUB TOTAL (BIHAR)        |      |     |   |      |      |         | 5050   |         |

13 May, 2007]

## RAJYA SABHA

| 1                        | 2                   | 3             | 4    | 5 | 6    | 7    | 8     | 9    | 10      |
|--------------------------|---------------------|---------------|------|---|------|------|-------|------|---------|
| JHARKHAND                |                     |               |      |   |      |      |       |      |         |
| 1                        | CHANDRAPUR          | JHAR          | DVC  | C | uc   | 500  | COAL  | 500  | 2007-08 |
| 2                        | BOKARO EXP.         | JHAR          | DVC  | C | COMM | 500  | COAL  | 500  | 2010-11 |
| 3                        | KODERMAU1&2 (DELHI) | JHAR          | DVC  | C | COMM | 1000 | COAL  | 1000 | 2010-11 |
| 4                        | MAITHAN RBC         | JHAR          | DVC  | C | COMM | 1000 | COAL  | 1000 | 2010-12 |
| 5                        | NORTH K PURA        | JHAR          | NTPC | C | COMM | 1320 | COAL  | 1320 | 2011-12 |
| SUB TOTAL-central sector |                     |               |      |   | ■    |      |       | 4320 |         |
| SUBTOTAL                 |                     |               |      |   |      |      |       | 4320 |         |
| (JHARKHAND)              |                     |               |      |   |      |      |       |      |         |
| ORISSA                   |                     |               |      |   |      |      |       |      |         |
| 1                        | Balimela ST-II      | ORISSA OHPC   |      | S | UC   | 150  | HYDRO | 150  | 2007-08 |
| Sub Total-state sector   |                     |               |      |   |      |      |       | 150  |         |
| Sub Total (Orissa)       |                     |               |      |   |      |      |       | 150  |         |
| SIKKIM                   |                     |               |      |   |      |      |       |      |         |
| 1                        | Teesta V            | SIKKIM NHPC   |      | C | uc   | 510  | HYDRO | 510  | 2007-08 |
| SUB TOTAL-central sector |                     |               |      |   |      |      |       | 510  |         |
| 2                        | CHUJACHEN           | SIKKIM GATI   |      | P | uc   | 99   | HYDRO | 99   | 2009-10 |
| 3                        | SADAMANDER          | SIKKIM GATI   |      | P | COMM | 71   | HYDRO | 71   | 2009-10 |
| 4                        | BHASMEY             | SIKKIM GATI   |      | P | COMM | 51   | HYDRO | 51   | 2010-11 |
| 5                        | TEESTA III URJA     | SIKKIM TEESTA |      | P | COMM | 1280 | HYDRO | 600  | 2011-12 |
| SUB TOTAL-private sector |                     |               |      |   |      |      |       | 821  |         |
| SUB TOTAL (SIKKIM)       |                     |               |      |   |      |      |       | 1331 |         |
| WEST BENGAL              |                     |               |      |   |      |      |       |      |         |
| 1                        | MEJIA U-6           | WB            | DVC  | C | UC   | 250  | COAL  | 250  | 2007-08 |
| 2                        | MEJIA PH II (DELHI) | WB            | DVC  | c | UC   | 1000 | COAL  | 1000 | 2009-11 |
| 3                        | DURGAPUR STEEL      | WB            | DVC  | c | COMM | 1000 | COAL  | 1000 | 2010-12 |
| 4                        | TEESTA LOW DAM-III  | WB            | NHPC | c | UC   | 132  | HYDRO | 132  | 2008-09 |
| 5                        | TEESTALOW DAM-IV    | WB            | NHPC | c | UC   | 160  | HYDRO | 160  | 2009-10 |

RAJYA SABHA

[3 May, 2007]

| 1  | 2                             | 3           | 4       | 5 | 6    | 7    | 8       | 9     | 10      |
|----|-------------------------------|-------------|---------|---|------|------|---------|-------|---------|
| 6  | FARAKKA STAGE-III             | WB          | NTPC    | C | uc   | 500  | COAL    | 500   | 2009-10 |
|    | SUB TOTAL-central sector      |             |         |   |      |      |         | .3042 |         |
| 7  | PURULIA PSS                   | WB          | WBSEB   | S | uc   | 900  | HYDRO   | 900   | 2007-08 |
| 6  | DURGAPUR EXT.                 | WB          | DPL     | S | uc   | 300  | COAL    | 300   | 2007-08 |
| 9  | SAGARDIGHI U 1.2              | WB          | WBPDC   | s | uc   | 250  | COAL    | 250   | 2007-08 |
| 10 | SANTALDIH U 5                 | WB          | WBPDC   | s | uc   | 600  | COAL    | 250   | 2007-08 |
| 11 | BAKRESHWAR U-4                | WB          | WBPDC   | s | uc   | 210  | COAL    | 210   | 2007-08 |
| 12 | BAKRESHWAR U-5                | WB          | WBPDC   | s | uc   | 210  | COAL    | 210   | 2007-08 |
| 13 | SAGARDIGHI EXT                | WB          | WBPDC   | s | COMM | 1000 | COAL    | 1000  | 2010-12 |
| 14 | SANTHALDIH EXT                | WB          | WBPDC   | s | uc   | 250  | COAL    | 250   | 2009-10 |
|    | (U6)                          |             |         |   |      |      |         |       |         |
|    | SUB TOTAL-state sector        |             |         |   |      |      |         | 3720  |         |
| 14 | BUDGE-BUDGE EXT               | WB          | CESC    | p | uc   | 250  | COAL    | 250   | 2009-10 |
|    | SUB TOTAL-private sector      |             |         |   |      |      |         | 250   |         |
|    | SUB TOTAL (West Bengal)       |             |         |   |      |      |         | 3970  |         |
|    | SUB TOTAL (CENTRAL SECTOR)    |             |         |   |      |      |         | 12922 |         |
|    | SUB TOTAL-(STATE SECTOR)      |             |         |   |      |      |         | 3870  |         |
|    | SUB TOTAL (PRIVATE SECTOR)    |             |         |   |      |      |         | 1071  |         |
|    | TOTAL (EASTERN REGION)        |             |         |   |      |      |         | 17863 |         |
|    | <b>NORTH EASTERN REGION</b>   |             |         |   |      |      |         |       |         |
|    | <b>ARUNACHAL PRADESH</b>      |             |         |   |      |      |         |       |         |
| 1  | KAMENG                        | AR.PR.NEPCO |         | c | uc   | 600  | HYDRO   | 600   | 2009-10 |
| 2  | SUBANSIRI LOWER               | AR.PR. NHPC |         | c | uc   | 2000 | HYDRO   | 2000  | 2011-12 |
|    | SUB TOTAL-central sector      |             |         |   |      |      |         | 2600  |         |
|    | SUB TOTAL (ARUNACHAL PRADESH) |             |         |   |      |      |         | 2600  |         |
|    | <b>ASSAM</b>                  |             |         |   |      |      |         |       |         |
| 1  | BONGAIGAON                    | ASSAM NTPC  |         | c | COMM | 750  | COAL    | 750   | 2010-12 |
|    | SUB TOTAL-central sector      |             |         |   |      |      |         | 750   |         |
| 2  | LAKWAWH                       | ASM         | ASGENCO | s | UC   | 37.2 | GAS/LNG | 37    | 2008-09 |
|    | SUB TOTAL-state sector        |             |         |   |      |      |         | 37    |         |
|    | SUB TOTAL (ASSAM)             |             |         |   |      |      |         | 787   |         |

[3 May, 2007]

# RAJYA SABHA

| 12                           | 3                    | 4             | 5 | 6    | 7   | 8       | 9     | 10      |
|------------------------------|----------------------|---------------|---|------|-----|---------|-------|---------|
| MEGHALAYA                    |                      |               |   |      |     |         |       |         |
| 1                            | MYNTDU ST-I          | MEGH MeSEB    | S | UC   | 84  | HYDRO   | 84    | 2008-09 |
| 2                            | NEW UMTRU            | MEGH MeSEB    | S | COMM | 40  | HYDRO   | 40    | 2010-11 |
| SUB TOTAL (MEGHALYA)         |                      |               |   |      |     |         | 124   |         |
| NAGALAND                     |                      |               |   |      |     |         |       |         |
| 1                            | DIMAPUR DG LAND EPT. | NAGA- ELECT.D | S | UC   | 23  | GAS/LNG | 23    | 2009-10 |
| SUB TOTAL (NAGALAND)         |                      |               |   |      |     |         | 23    |         |
| TRIPURA                      |                      |               |   |      |     |         |       |         |
| 1                            | TRIPURA GAS ILFS TRI | ONGC          | C | COMM | 750 | GAS/LNG | 750   | 2009-10 |
| SUB TOTAL-central sector     |                      |               |   |      |     |         | 750   |         |
| SUBTOTAL-(TRIPURA)           |                      |               |   |      |     |         | 750   |         |
| SUB TOTAL (CENTRAL SECTOR)   |                      |               |   |      |     |         | 4100  |         |
| SUB TOTAL-(STATE SECTOR)     |                      |               |   |      |     |         | 184   |         |
| SUB TOTAL (PRIVATE SECTOR)   |                      |               |   |      |     |         | 0     |         |
| TOTAL (NORTH-EASTERN REGION) |                      |               |   |      |     |         | 4284  |         |
| ALL-INDIA SUMMARY            |                      |               |   |      |     |         |       |         |
| CENTRAL SECTOR               |                      | ■             |   |      |     |         | 39865 |         |
| STATE SECTOR                 |                      |               |   |      |     | 27952   |       |         |
| PRIATE SECTOR                |                      |               |   |      |     | 10760   |       |         |
| TOTAL (ALL-INDIA)            |                      |               |   |      |     | 78577   |       |         |

## Sasan Ultra Mega Power Project

2986. SHRI SANJAY RAUT: Will the Minister of POWER be pleased to state:

(a) whether any evaluation committee, headed by HDFC's Shri Deepak Parekh has recommended to remove Lanco Infratech from the Rs. 16000 crore Sasan Ultra Mega Power Project which has offered to supply power at rate of Rs. 1.196 per unit;

(b) if so, the details of recommendations made by the said committee;